

WHAT IS CLAIMED IS:

1. An engine hood for motor vehicles which has a deformable head impact zone to protect pedestrians in the event of a collision with the motor vehicle,
 - the engine hood comprising an outer shell, which is formed by the body paneling, and at least one inner shell, which is arranged below the outer shell and is connected to the outer shell,characterized in that the inner shell (3) has a stiffening region (10) which is provided with a vaulted structure (12).
2. The engine hood as claimed in claim 1, characterized in that the stiffening region (10) of the inner shell (3) is formed by an insert part (11) with a vaulted structure (12), which is fitted into a cutout (10') in a base part (4) of the inner shell (3) and is fixedly connected to the base part (4).
3. The engine hood as claimed in claim 2, characterized in that the insert part (11) is produced from a vault-structured semi-finished product which is smoothed at the edge side (16).
4. The engine hood as claimed in claim 2 or 3, characterized in that the insert part (11) is adhesively bonded to the base part (4) of the inner shell (3) in an edge region (16).
5. The engine hood as claimed in one of the preceding claims, characterized in that the vaulted structure (12) of the stiffening region has bulge domes (20) which are vaulted out in the direction of the outer shell (2).
6. The engine hood as claimed in claim 5, characterized in that the bulge domes (20) of the vaulted structure (12) are adhesively bonded to the outer shell (2).